

Mirex

CAS No. 2385-85-5

General Information

Mirex has not been produced or used in the United States since 1977. This chemical was formerly used in southern regions of the United States to control fire ants.

Interpreting Lipid-Adjusted Serum Mirex Levels Reported in the Table

Generally recognized guidelines for serum levels of mirex are not available. Mirex serum levels were generally not detectable both in the subsample represented in this *Report* or in a non-random subsample from

NHANES II (1976-1980). In a control population of Canadian women sampled in 1994, the geometric mean lipid-adjusted level of mirex was 3.1 ng/gram of lipid (Lebel et al., 1998).

Table 163. Mirex (lipid adjusted)

Geometric mean and selected percentiles of serum concentration (nanograms/gram [ng/g] of lipid or parts-per-billion on a lipid weight basis) for the U.S. population aged 12 years and older, National Health and Nutrition Examination Survey, 1999-2000.

	Geometric mean (95% conf. Interval)	Selected percentiles (95% confidence interval)						Sample size
		10th	25th	50th	75th	90th	95th	
Total, age 12 and older	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	1853
Age group								
12-19 years	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	659
20 years and older	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	1194
Gender								
Males	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	887
Females	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	966
Race/ethnicity								
Mexican Americans	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	617
Non-Hispanic blacks	*	< LOD	< LOD	< LOD	< LOD	< LOD	18.8 (<LOD-58.3)	398
Non-Hispanic whites	*	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	688

< LOD means less than the limit of detection, which averaged 7.5 ng/g of lipid (SD 2.4, maximum value 14.6).

* Not calculated. Proportion of results below limit of detection was too high to provide a valid result.